



# CFP2000 Result

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NEC Corporation  
TX7/i9010(1000MHz, Itanium 2)

SPECfp2000 = --  
SPECfp\_base2000 = 1298

SPEC license #: 1184 Tested by: NEC T.Kokubo Test date: Dec-2002 Hardware Avail: Aug-2002 Software Avail: Nov-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	171	935		
171.swim	3100	103	3000		
172.mgrid	1800	103	1752		
173.applu	2100	107	1959		
177.mesa	1400	200	700		
178.galgel	2900	115	2514		
179.art	2600	56.4	4610		
183.quake	1300	88.7	1466		
187.facerec	1900	174	1091		
188.amp	2200	247	890		
189.lucas	2000	211	948		
191.fma3d	2100	325	646		
200.sixtrack	1100	121	909		
301.apsi	2600	416	624		

### Hardware

CPU: Itanium2  
CPU MHz: 1000  
FPU: Integrated  
CPU(s) enabled: 16 cores, 16 chips, 1 core/chip  
CPU(s) orderable: 1-16  
Parallel: No  
Primary Cache: 16KBI + 16KBD on chip  
Secondary Cache: 256KB on chip  
L3 Cache: 3MB on chip  
Other Cache: None  
Memory: 32GB  
Disk Subsystem: 4x32GB SCSI disk  
Other Hardware: Ethernet

### Software

Operating System: NEC IA-64 Linux R3.2  
Compiler: NEC FORTRAN95 R3.2  
NEC C/C++ R3.2  
File System: ext2  
System State: Multi-user

## Notes/Tuning Information

Base tuning:  
Fortran: -O3 -ipo -ftz +FDO  
C: -O3 -ipo -ftz +FDO  
+FDO:  
PASS1: -prof\_gen  
PASS2: -prof\_use  
Portability:  
178.galgel: -FI